ACC NR: AP7002744

of Be films. As regards  $\omega_k$ , it is established that lamellar hexahedral crystals (Fig. 2) begin to grow at the film surface above a certain substrate temperature  $T_{s.k}$  which is a function of  $\omega_k$ , and which decreases with increase in  $\omega_k$ . E.g. when  $\omega_k = 140$  A/sec,  $T_{s.k} \approx 500$ °C and



Fig. 2. Lamellar monocrystal of beryllium:

 $T_s = 320$ °C,  $\omega_k = 270$  Å/sec, magnified 4500 times

when  $\omega_k = 270 \text{ Å/sec}$ ,  $T_{s,k} \approx 300^{\circ}\text{C}$ . With the aid of microdiffraction it is established that these lamellar crystals represent regular Be monocrystals with a highly perfect crystal lattice due to the reversibility of condensation processes (extensive re-evaporation of Be atoms when  $T_s > \sim 300^{\circ}\text{C}$ ), which provides the conditions for rapid correction of defects in the crystalline structure of these monocrystals. Considering the distinctness of mosaic relief on the surface of Be films, it may be assumed that these lamellar hexahedral monocrystals of Be, forming on

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# ACC NR: AP7002744 condensation of its vapors in the presence of considerable supersaturations ( $w_k \approx 100-300$

A/sec and T  $_{\rm S}$   $\approx 300\text{-}600^{\circ}\text{C}$ ) represent the realization of the case where a layer hangs suspended above the crystal surface. The existence of an "atmosphere" of condensing atoms above the film surface apparently is a prerequisite for the formation of lamellar monocrystals and accounts for their absence when T<sub>S</sub> <~ 300°C. In conclusion, it should be noted that the surface relief of Be films points to a primarily laminar growth mechanism of condensates, with growth spirals being rarely encountered. Orig. art. has: 3 figures.

SUB CODE: 20//SUBM DATE: 04Apr66/ ORIG REF: 006

Card 4/4

ACC NR: AP7005140

SOURCE CODE: UR/0126/66/022/004/0637/0639

AUTHOR: Palatnik, L. S.; Fedorenko, A. I.

ORG: Khar'kov Polytechnical Institute imeni V. I. Lenin (Khar'kovskiy politekhnicheskiy institut)

TITLE: About growth textures in beryllium condensates

SOURCE: Fizika metallov e metallovedeniye, v. 22, no. 4, 1966, 637-639

TOPIC TAGS: beryllium, thin film, crystal orientation, crystal morphology, metallographic examination, x ray analysis

ABSTRACT: The structure of beryllium layers 30-50 mm thick and condensed on hot substrates was studied. The techniques for condensing and studying these films were developed by the authors (FTT, 1965, 7, 819). Transverse cross sections were etched in a weak (<1%) aqueous solution of oxalic acid. The development of growth texture in the columnar crystals proceeded to a definite thickness  $h_o$ , after which crystals of a single orientation remained on the surface layers, growing with a constant velocity. Microstructures showed that for  $h > h_o$  the crystal dimensions in the surface layer do not change, since they experience the same growth conditions as the neighboring grains. The scattering angle of the maximum growth direction of the separate crystals to the

Card 1/2

ACC NR AP7005140 texture axis was less than 10° for  $h>h_o$ . With rise in substrate temperature  $(T_p)$ ,  $h_o$  increased because of decreased nuclei size: at  $T_p$  = 190°C,  $h_o$  = 30  $\mu$ ; at  $T_p$ = 250°C,  $h_c$  > 80  $\mu$ . For  $T_p$  = 260-330°C micrographs of the surface showed two types of crystals, one of the [100] and the other of the [001] texture. The angle between the normal to the layer and the [001] and [100] direction (8) was given as a function of  $T_p$  for different orientations ( $\phi$ ) of crystallite clusters. Above 360°C,  $\beta$ increased sharply (to \*60° or more) for both [100] and [001] textures. Misorientation of texture depended on  $\phi$ . The greatest degree of texture misorientation  $(\beta-(-\beta)=$ =120°) occurred at  $\phi$  = 0, due to the equalized addition of vapor atoms to the growing velocities to dominate the growth of neighboring grains. However, at  $\phi > 40^{\circ}$  the perfection of the growth texture decreased. The optimum growth conditions for obtaining ideal [001] and [100] textures in beryllium layers were as follows: \$ = 15--30°,  $T_p = 210°$  for [001] and  $T_p = 340-370°$ C for [100]. Orig. art. has: 3 figures. SUB CODE: 11/ SUBM DATE: 02Feb66/ ORIG REF: 002/ OTH REF: 001 Card 2/2

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

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REZNIK, A. M. (Brigadir), AREST, VI. I., BLOKH, I. M., KIKGOF, YU. A., ZAGARHISTR, A. H., KUPALOV-YAROPOLK, I. K., PETROV, K. V. TYABIN, V. YE., FEDORENKO, A. N., sosteviteli;

"LICENAL HARLANGER ZEET ZEET HER EET FAN KENNE ...

DYUKOV, A. I., KLESIKIEV, A. I., redaktory/

(All-Union unified norms for geophysical field work) Vsesoiuznye edinye normy vyrabotki na polevye geofrafizheskie raboty. (Sostaveli: Reznik A. M. i dr. Redaktory: A. I. Diukov, A. I. Kleshchev) Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1951. 146 p.

(MLRA 7:4)
(Geophysics)

KAIKHOV, Ye.H.; KOMAROV, S.G.; RIABINKIN, L.A.; SOKOLOV, V.A.; PEDOHENKOLANDY, SOHOKIN, L.V., professor, doktor fixiko-matematicheskith
nauk, redaktor [deceased]; PERSHINA, Te.G., vednshchiy redaktor;
POLOSINA, A.S., tekhnicheskiy redaktor.

[General course in the geophysical methods of prospecting for petroleum
and gas deposits] Obshohii kurs geofizicheskikh metodor razvedki neftianykh i gasovykh mestoroshdenii. Isd. 2-e., ispr. i dop. Moskva, Gos.
nauchno-tekhn. isd-vo neftianoi i gorno-toplivnoi lit-ry, 1954, 457 p.
[Microfilm]

(Petroleum geology) (Prospecting-Geophysical methods)

P0579

S/169/62/000/007/021/149 D228/D307

3.9300

AUTHOR:

Fedorenko, A. N.

TITLE:

Seismic station with a magnetic method of recording

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 7, 1962, 20-21, abstract 7A137 (V sb. Sostoyaniye i perspektivy razvítiya geofit. metodov poiskov i razvedki polezn. iskopayemakh, M., Gostoptekhizdat, 1961, 263-271)

TEXT: Two types of seismic stations with a magnetic means of recording are considered. The type (CN-57) seismic station is an apparatus, capable of recording and reproducing without the enlistment of the usual seismic stations. The recording is made simultaneously on 24 channels, the reproduction being made alternately on one channel. A direct means of recording with high-frequency superposed magnetization and a drum method of moving the magnetic tape with a recording duration of 4.5 sec are used in this apparatus. The equipment's dynamic pitch reaches 50 db. The instability of the rate of the magnetic tape's movement amounts to 0.1%.

1755年,李本朝的第二章

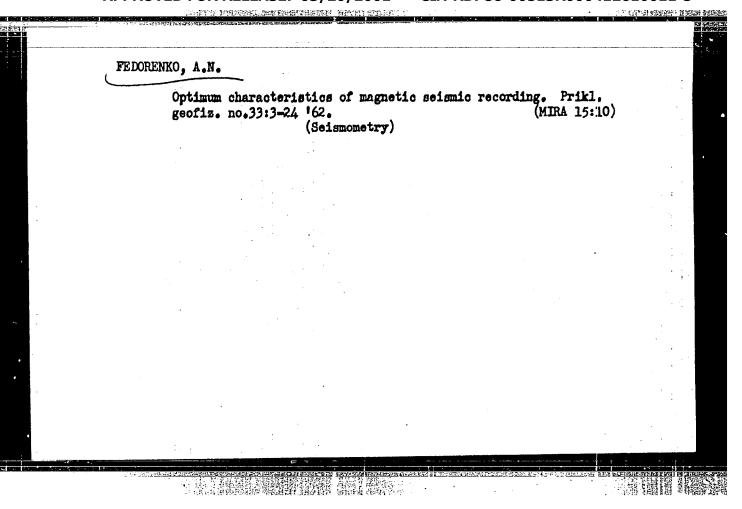
Card 1/2

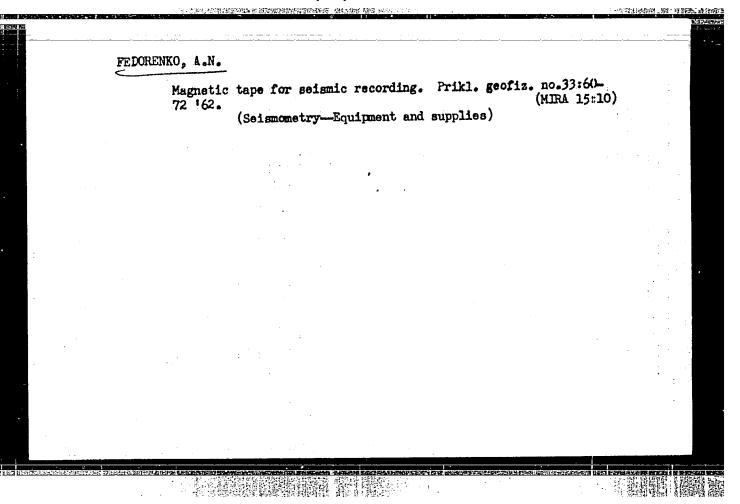
Seismic station with ...

S/169/62/000/007/021/149 D228/D307

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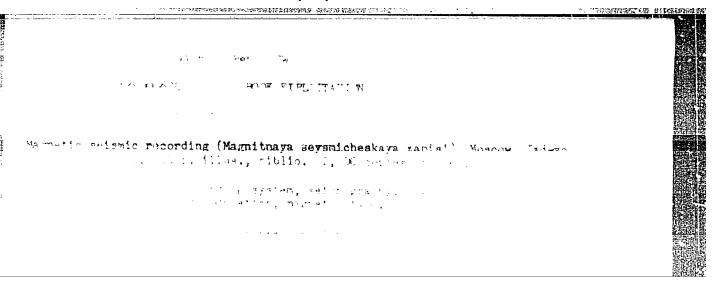


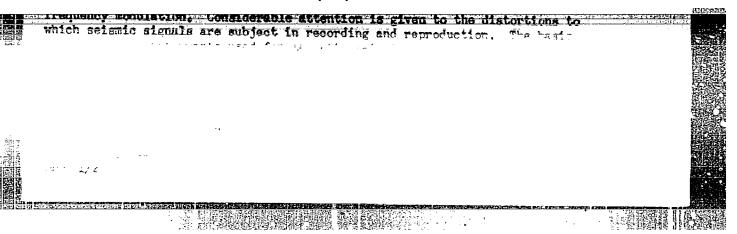
FELORENKO, A.N., nauchn. red.; ZE/MENSKIY, V.I., red.; SEEGEY V., N.A., red.

[Exhibition on "Seismic prospecting methods"; a catalogue: Work methods. Apparatus and equipment] Tematicheskaia vystavka, "Seismicheskie metody poiskov i razvedki poleznykh iskopaenykh"; katalog: Metodika ratet. Apparatura i oborudovanie. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane nedr, 1963. 91 p. (Mika 17:11)

1. Moscow. Vys 'a dostizheniy narodnogo khozysystva FAR. Pavil'on "Geologiya."

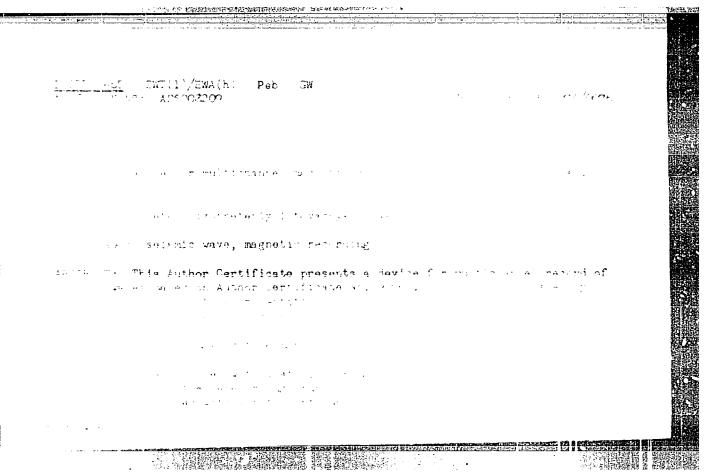
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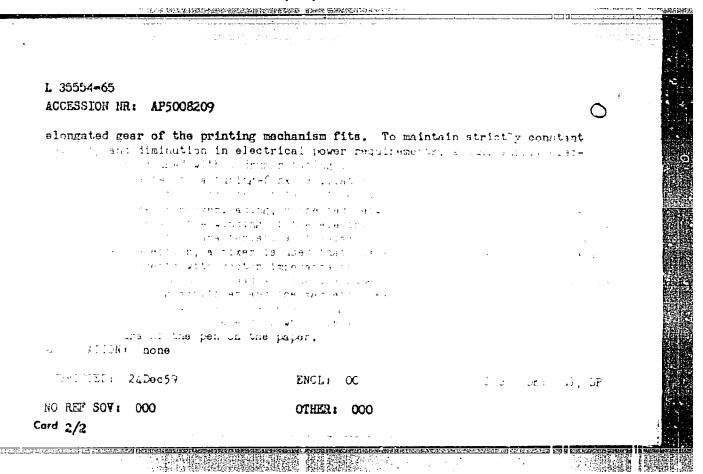




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FEDYNSKIY, V.V., otv. red.; POLSHKOV, M.K., zam. ctv. red.;
BORISOV, A.A., red.; NEVOLIN, N.V., red.; KROLFNKO,
I.I., red.; FEDORENKO, A.N., red.

[Geological results of applied geophysics] Geologicheskie rezultaty prikladnoi geofiziki. Moskva, Nedra,

[Geological results of applied geophysics] Geologicheseskie rezultaty prikladnoi geofiziki. Moskva, Nedra, 1965. 292 p. (Mezhdunarodnyi geologicheskii kongress. Doklady sovetskikh geologov. Problema 2)

(MIRA 18:5)

1. Natsional'nyy komitet geologov Sovetskogo Soyuza.

# PEDORENKO, A.P.

Birds as destroyers of beet weevils. Dop. UN URSR no.2:200-204 156.
(MIRA 9:12)

1. Institut zoologii Akademii nauk URSR. Predstavleno akademikom Akademii nauk USSR V.G. Kas'yanenko.
(Beet pests)

FEDORENKO, A. P., Cand of Bio Sci -- (diss) "Birds of the Forest-Steppe area of Ukrainian SSR and their role in limiting the number beet weevils." Kiev, 1957, 15 pp (Institute of Zoology, Academy of Sciences UKSSR), 100 copies (KL, 35-57, 107)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

SOV/21-58-10-26/27 Fedorenko, A.P. AUTHOR: The Wintering of Numenius Arqueta L. in the Ukraine (Zimov-TITLE: ka bol'shogo kronshnepa (Numenius arquata L.) na Ukraine) Dopovidi Akademii nauk Ukrains'koi RSR, 1958, Nr 10, pp PERIODICAL: 1139-1140 (USSR) In addition to existing information that birds of the spe-ABSTRACT: cies Numenius arquata L. winter in the Transcaucasian region and in the lower flow of the Atrek, the author's observations established that another place of their wintering is the Danube delta. This paper describes the sojourn of the species in the Ukraine and lists some new northern points for their wintering within the USSR. Card 1/2 生工作的在民族性的国际特殊的

SOV/21-58-10-26/27

The Wintering of Numenius Arquata L. in the Ukraine

ASSOCIATION: Institut zoologii AN UkrSSR (Institute of Zoology of the

AS UkrssR)

PRESENTED:

By Member of the AS UkrSSR, V.G. Kas'yanenko

SUBMITTED:

May 9, 1958

NOTE:

Russian title and Russian names of individuals and Institutions appearing in this article have been used in the

transliteration

1. Birds--Survival factors

THE COMMENSATION OF THE PROPERTY OF THE PROPER

Card 2/2

30(1)

SOV/21-59-9-19/25

AUTHOR:

Fedorenko, A.P.

TITLE:

The Effect of Birds on the Density of Occurrence of

Beet Pests in the Soil

PERIODICAL:

Dopovidi Akademiyi nauk Ukrayins'koyi RSR, Nr 9,

1959, pp 1011-1014 (USSR)

ABSTRACT:

In this article the author discusses the effect of birds on the density of occurrence of beet pests in soil, basing his statements on the material he collected when investigating the fields of 230 collective farms. The examined area amounted to 41,046 hectares and was located near to and at a certain distance from the bird colonies. The density of occurrence of beet pests depends on the character of the soil (the occurrence is different even within the limits of a region, and sometimes even of a plantation) on the climatic conditions, on the intensity of fighting the pests, on

Card 1/3

agrotechnical measures, etc. The author's examinations also enabled him to establish the fact that birds too,

SOV/21-59-9-19/25

The Effect of Birds on the Density of Occurrence of Beet Pests in the Soil

markedly influence the density of occurrence of beet pests in soil. The examinations of farms far from bird colonies showed an average density of occurrence of 7.84 pests per square meter, on farms located near forest stands 5.91 pests per square meter and on farms near bird colonies 4.92 pests per square meter. To a certain extent, such correlation can be made apparent within regions and even collective farms whereby a part of the farms is near the places of concentration of birds and a part of them located at a certain distance from such places. Although the density of occurrence of beet pests is not solely affected by birds, but also by many other factors, the role played by birds in this respect is very important. Thus, the protection and attraction of birds in the regions of beet farms as well as the creation of favorable living conditions for numerous bird species in these areas, will enable a more rational utilization of them in fighting the pests. Such a measure will again result

Card 2/3

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SOV/21-59-9-19/25

The Effect of Birds on the Density of Occurrence of Beet Pests in

the Soil

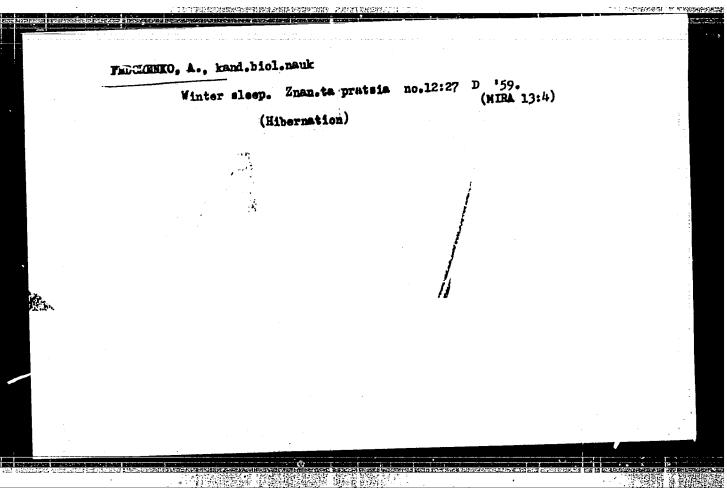
in a considerable cutdown of the expenses for pest fighting. There are 2 tables.

Instytut zoologiyi AN URSR (Institute of Zoology of the AS of UkrSSR) ASSOCIATION:

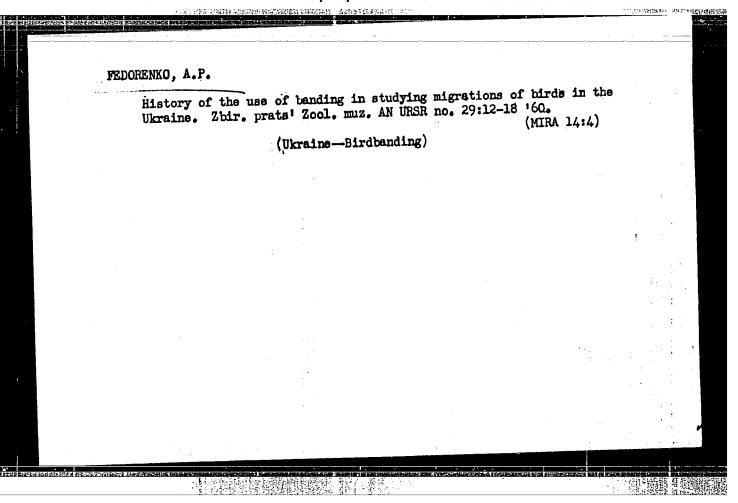
By V.H. Kas'yanenko, Member, AS UkrSSR PERIODICAL:

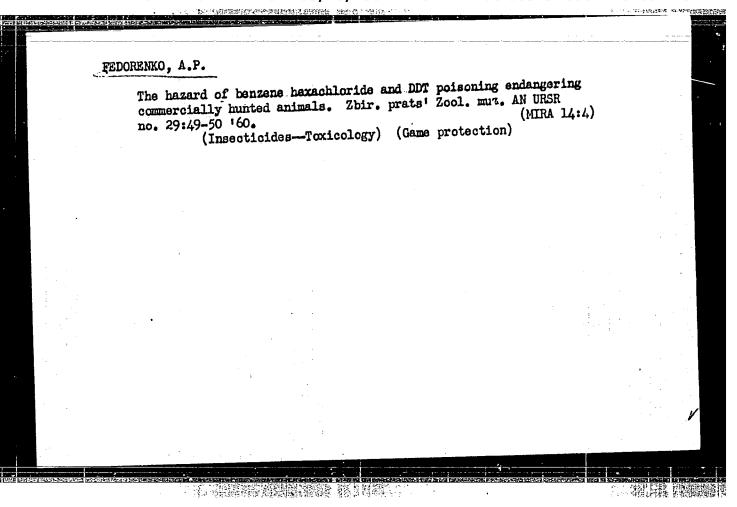
March 6, 1959 SUBMITTED:

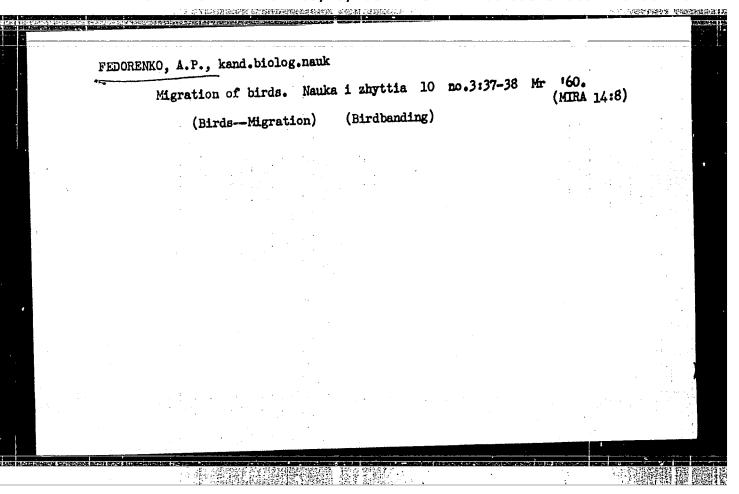
Card 3/3

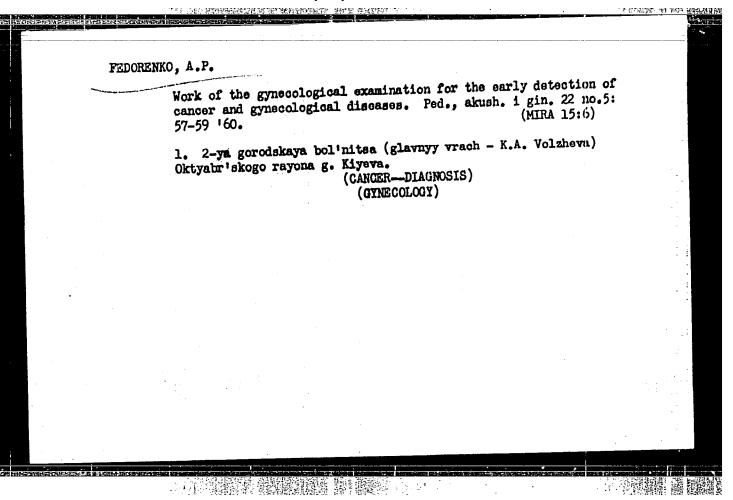


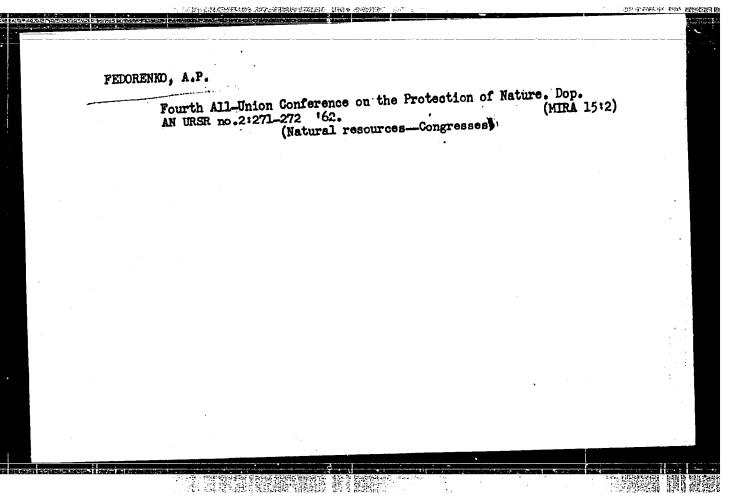
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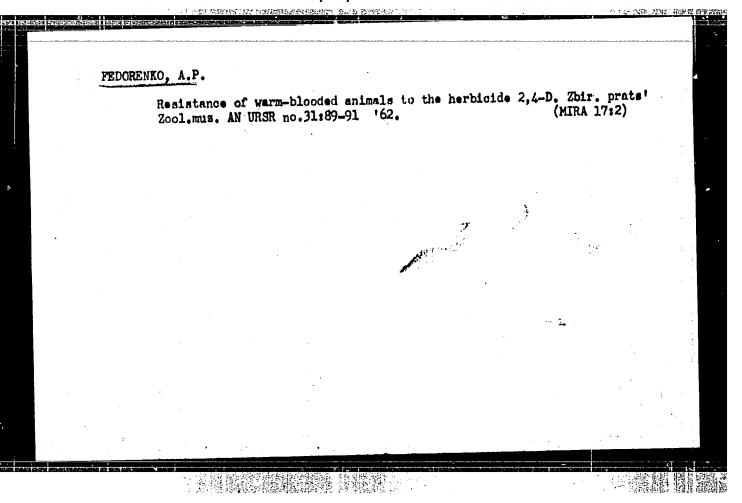


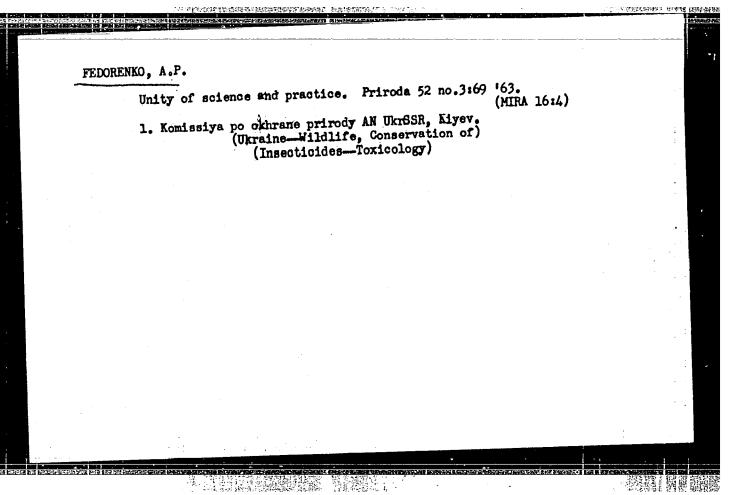












FEDORENKO, A. S.

36983. K Voprosu o Vliyanii Primenennogo Diya Lecheniya Gonorrei Penitsillina Na Spermatogenez. Uchen. Zapiski (L'vovsk. Nauch.-issled. K shno-venerol. In-t), t. II, 1949, c. 41=45

SO: Letopis' Zhurnal'nykh Statey, Vol 50, Moskva, 1949

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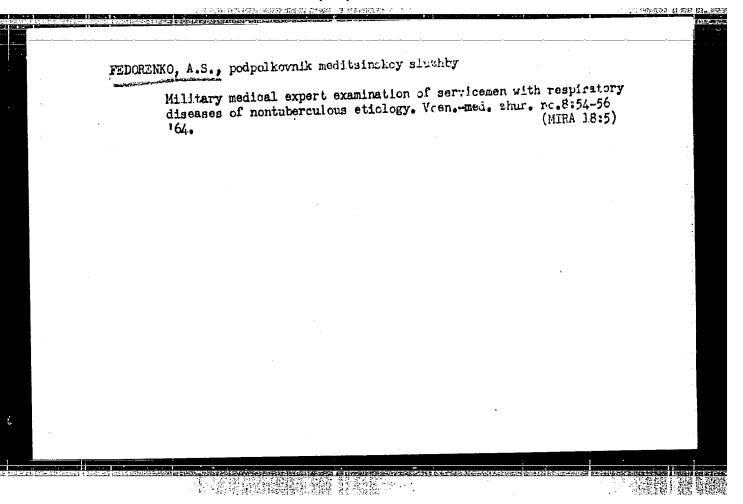
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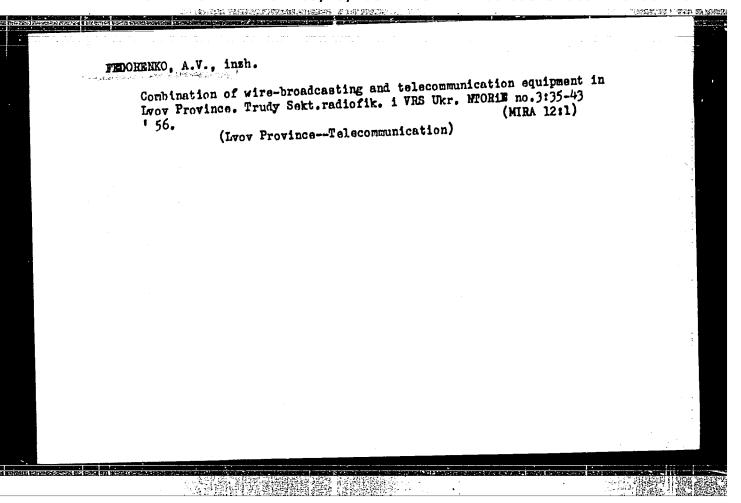
FEDORENKO, A. S.

36984. Parafinoterapiya Gonorroynykh Epididimitov. Uchen. Zapiski (L'vovsk. Nauch.-issled. Koshno-venerol. In-t), t. II, 1949, c. 46-50

SO: Letopis' Zhurnal'nykh Statey, Vol 50, Moskva, 1949

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### CIA-RDP86-00513R000412610011-5 "APPROVED FOR RELEASE: 03/20/2001

SOV/111-59-2-13/27

6(7)

AUTHOR:

Fedorenko, A.V., Chief

TITLE:

How-We-are Achieving Complete Radiofication of the Oblast! (Kak my dobivayemsya sploshnoy radiofikatsii

oblasti)

PERIODICAL: Vestnik svyazi, 1959, Nr 2, pp 20-22 (USSR)

ABSTRACT:

The article describes the course and means of radiofication of the L'vov Oblast' in the Ukraine. The author states that 72.5% of the overall number of households in the Oblast' are now equipped with radio, and that 10 of the 27 rayony are completely radiofied. The original plan for complete radiofication of the Oblast' was worked out by the provincial communications administration and DRTS late in 1957, and nections essary funds were made available early the following year. The plan as a whole for 9 months of 1958 was fulfilled by 115%, and in the villages by 118.4%. At present there are only 15 radio broadcasting centers (uzly) attached to collective farms (kolkhozy).

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CIA-RDP86-00513R000412610011-5" **APPROVED FOR RELEASE: 03/20/2001** 

SOV/111-59-2-13/27

How We are Achieving Complete Radiofication of the Oblast'

Socialist competition has developed in the district communications bureaus, and in the L'vov city broadcasting center to see who can get the most applications for radio set installations, 6200 of which were collected - 3200 by Komsomol members. Supervisors of the district communications bureaus receive a bonus of 6 rubles for each radio installation over and above the assigned number, and those who installed more than 25 in a month were awarded 75-100 rubles. The project is widely popularized through the press and radio. The Oblast Party committee (obkom) decided in July, 1958 to complete radiofication of the Oblast' by September 17, 1959. In the city of L'vov, in the fall of 1958, a month-long campaign for radiofication of the city was started by Komsomol, and awards were made to the Komsomol and school collectives competing in the campaign. In October 800 applications were collected in L'vov, and in 20 days of November 900 in the city, and 1200 in the Oblast!. In honor of the Elst Party Congress the campaign was continued. Long term credit

Card 2/4

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SOV/111-59-2-13/27

How We are Achieving Complete Radiofication of the Oblast'

of 400,000 rubles has been granted the kolkhozy by the Oblast' executive committee (oblispolkom). In November 1958 it was decided to develop socialist competition among the communications workers collectives, Komsomol members, and party organizations of the kolkhozy. For a ten month period the plan for the development of radiofication has been fulfilled by 105.6%, including 105% in the village. The author enumerates several substantial shortcomings in the work of radiofication. He points out that while the extent of radiofication lines is constantly growing, staffs remain at the 1945-1950 levels. One special problem in the western Oblast's of the Ukraine is the scattered nature of the populated areas, which demands a great quantity of materials, particularly PRVPM type cable. The author concludes with a few remarks on the collection of subscription fees from set owners in the kolkhozy. Comrades Koval', Secretary of the Oblast' Party committee (obkom), Kulik, Secretary of the Komsomol obkom, Shulyak, Manager of the division of transport and communication of the

Card 3/4

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THE CHARLEST OF THE CASE

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How We are Achieving Complete Radiofication of the Oblast'

L'vov Oblast' Party committee, Sobko, Chief of the Oblast' communications administration, Yelovskiy, Secretary of the Krasnen rayon Party committee, and Slyusarenko, Secretary of the Oblast Party committee, took part in the work of Oblast radiofication. There are 3 photographs.

ASSOCIATION: L'vovskaya oblastnaya direktsiya radiotranslyatsionnoy

seti (The L'voy Oblast Board of Directors of the Rebroad-

casting Network)

Card 4/4

DYKHANOV, H.N.: PRINTENSATA\_IS: PRHYN, H.G.

Synthesis of 2,4-diphenylpyrasolidinedione-3,5 (oxadrine). Med.prom.
12 no.2:21-24 F '58.

1. Khimiko-farmatsevticheskiy zavod "Akrikhin" i Vsecoyuznyy nauchnoinsiedovatel'skiy khimiko-farmatsevticheskiy institut imeni
S.Ordshonikidse.

(FYRAZOLIDINEDIONE)

KUCHEROV, Ye.V., kand. sel'skokhozyaystvennykh nauk; FEDORENKO, B.I., kand. sel'skokhozyaystvennykh nauk

Trout in Bashkiria. Priroda 53 no.7:124-125 '64. (MIRA 17:7)

l. Komissiya okhrany prirody pri Prezidiume Bashkirskogo filiala AN SSSR, Ufa.

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## "APPROVED FOR RELEASE: 03/20/2001 CIA-RD

CIA-RDP86-00513R000412610011-5

edorenko, B.V.

44-1-29

TRANSLATION FROM: Referativnyy zhurnal, Matematika, 1957, Nr 1, p 4 (USSR)

AUTHOR:

Fedorenko, B.V.

TITLE:

Some Information for a Biography of N.I. Labechevskiy (Nekotoryye svedeniya k biografii N.I. Lobachevskogo)

PERIODICAL:

V sb.: Istoriko-Matem. issledovanyya, Nr 9, Moscow,

Gostekhizdat, 1956, pp 65-75

ABSTRACT:

Documents are presented which pertain to N.I. Lobachevskiy's father. They were found by the author in the Central State Archives of Old Records, and include the petition of the 16-year-old Ivan Maksimovich Lobachevskiy for admission as a clerk in the surveying office, his certificate of origin, the decisions of the surveying office concerning his employement, etc.

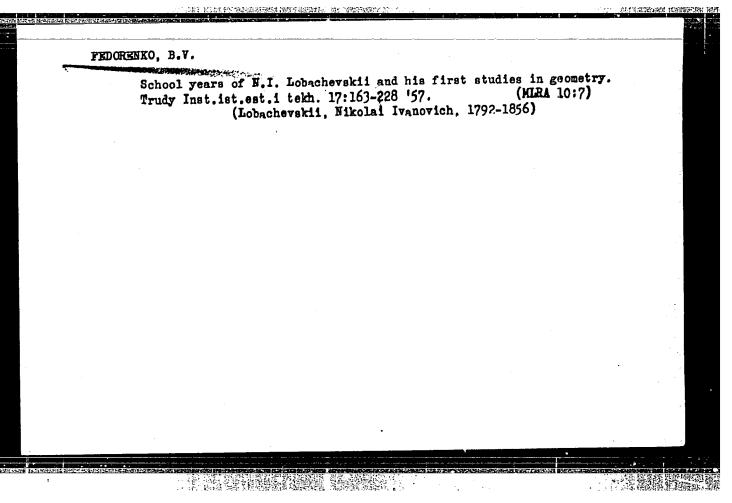
B.L. Laptev

Card 1/1

FEDORENKO, B. V. Cand Phys-Math Sci -- (diss) "The Years of Teaching Activity of N. I. Lobachevskiy Lobachevsky and His First Geometric Studies." Len, 1957. 8 pp 22 cm. (Academy of Sciences USSR, Inst of the History of Natural Sciences and Engineering), 110 coples (KL, 26-57, 104)

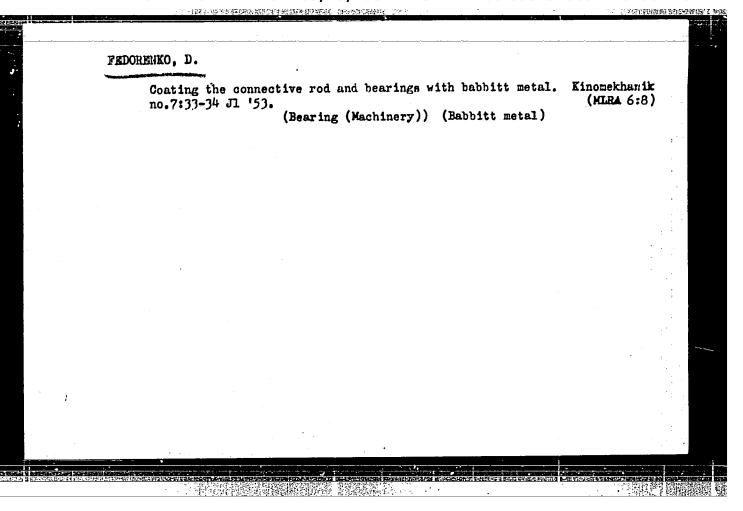
- 13 -

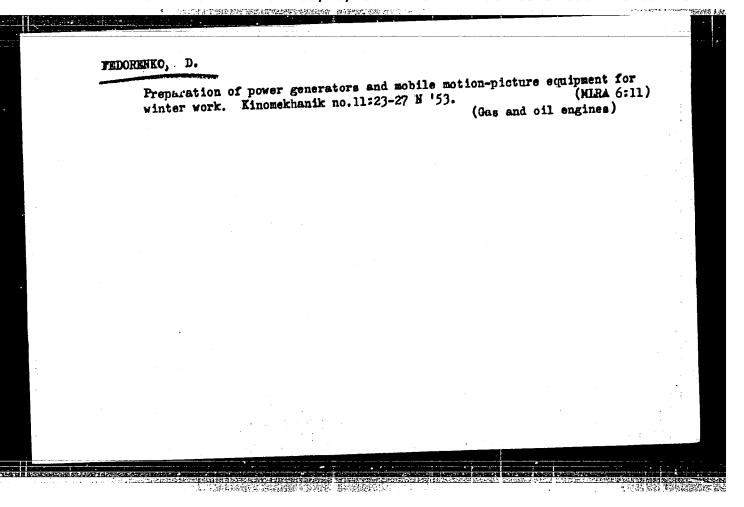
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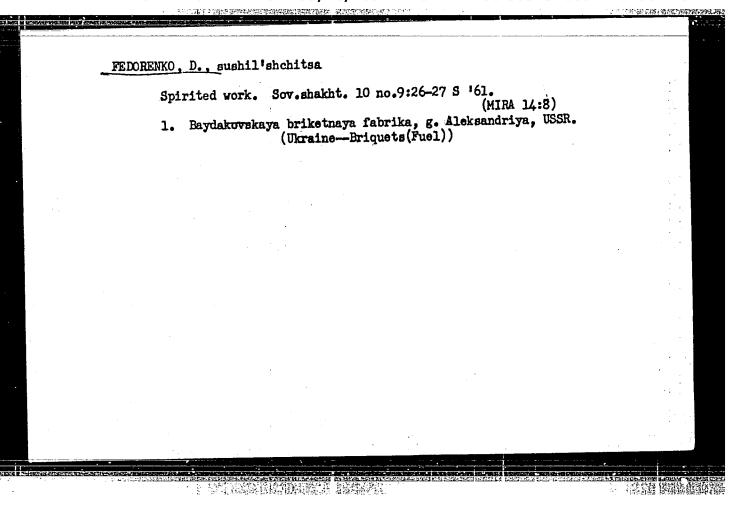


FEDOREIKO, D. and MIKHAYLOV, A.

"Hovable Electric Power Stations for Moving Picture Installations,"
three articles - Kinomokhanik, Nos. 1-3-4, 1952







FEDORENKO, D. M.

37456. Kolkhozy poltavskoy oblasti dosrochno vypolnyayut godovoy plan razvitiya zhivotnovodstva. Sots. zhivotnovodstvo, 1949, No. 8, s. 59-62.

SO: Letopis' Zhurnal'nykh Statey, Vol. 7, 1949

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

ROZHANSKIY, Z.Ye.; SHRAMKO, Yu.S.; FEDOHENKO, F.A.; LYSIKOV, A.N.

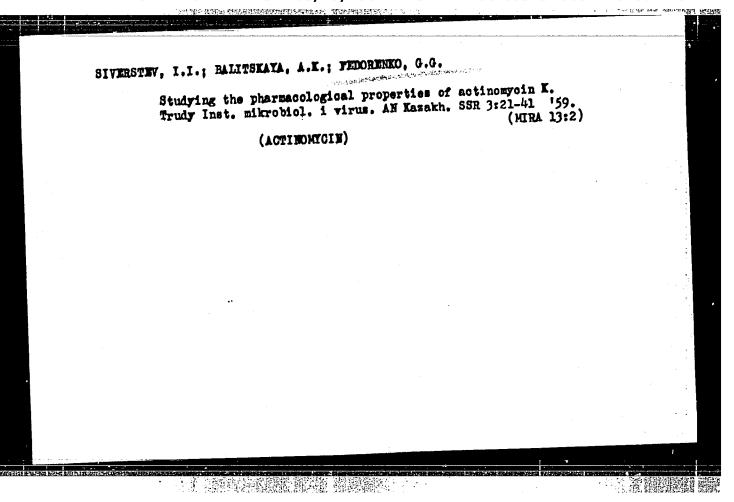
Central signaling networks using telephone relays with overlapping contacts. Prom.energ. 16 no.11:33-34 N !61. (MIRA 14:10) (Electric networks) (Electric relays)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

MAL'NEV, P.P. [Mal'niev, P.P.], inzh.; FEDORENKO, F.G. [Fedorenko, F.H.], inzh.

Self-sharpening segments of a cutting apparatus. Mekh. sil'.hosp.
14 no.7:8 Jl '63. (MIRA 17:2)

# Crushing of blast furnace charge materials. Izv. vys. ucheb. zav.; chern. met. 7 no.2:42-48 '64. (MIRA 17:3) 1. Dnepropetrovskiy metallurgicheskiy institut.

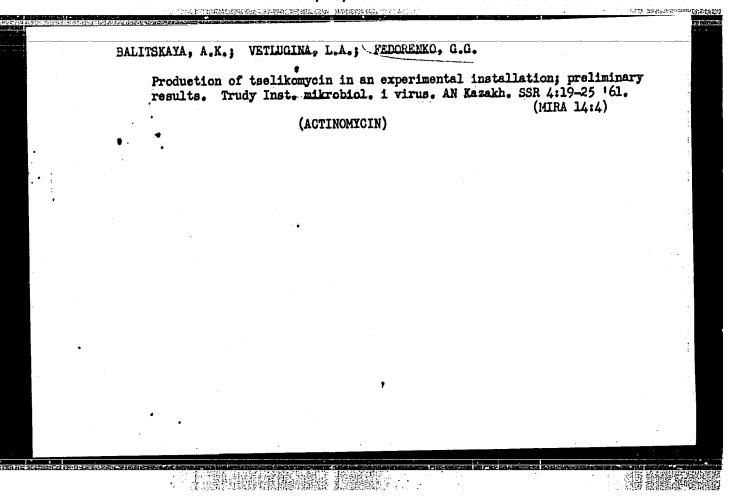


SIVERTSEV, I.I.; BALITSKAYA, A.K.; FEDORENKO, G.G.

Reaction of the blood pressure and respiration in dogs following the intravenous use of solutions of actinomycin K; preliminary report. Izw. AN Kazakh. SSR. Ser. med. i fiziol. no. 1:54-59
160. (HIRA 13:10)

(BLOOD PRESSURE) (RESPIRATION) (ACTINOMYCES)

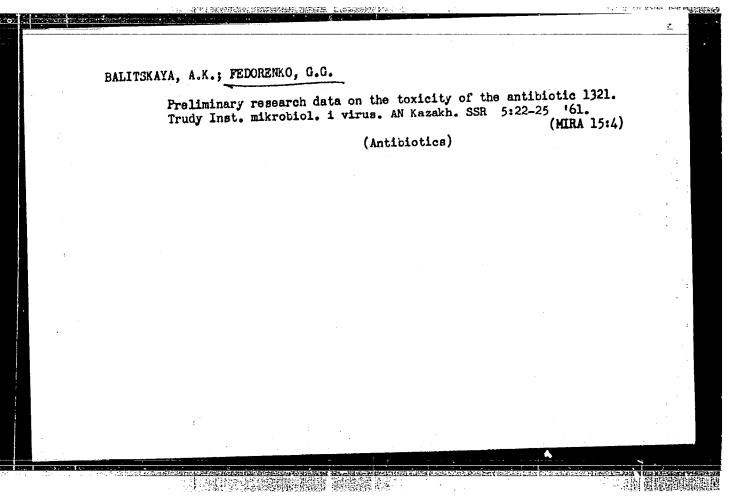
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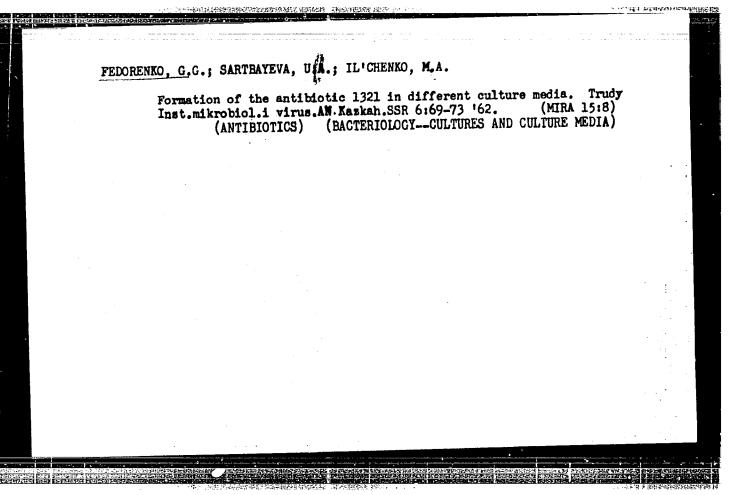


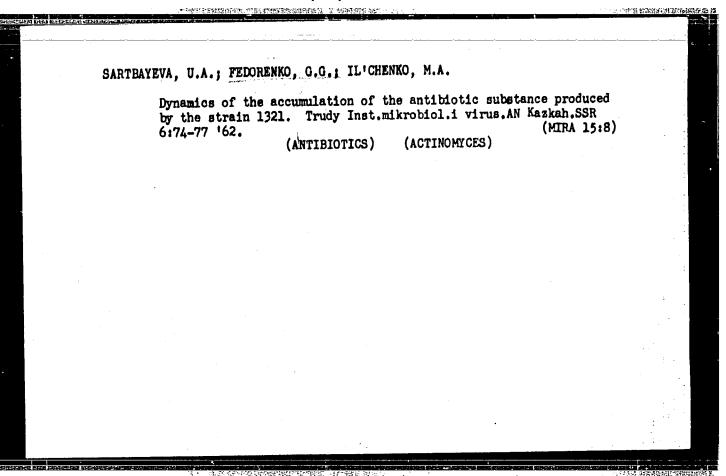
Characteristics of growth and development of strain 1321 of Actinomyces antocyaneus under the conditions of the submerged cultivation of antibictic. Trudy Inst. mikrobiol. i virus.

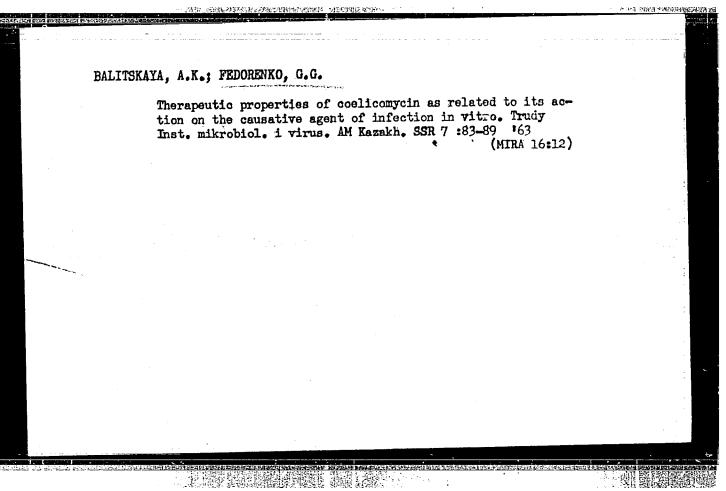
AN Kazakh. SSR 5:14-21 '61. (Actinomyces)

(Actinomyces)







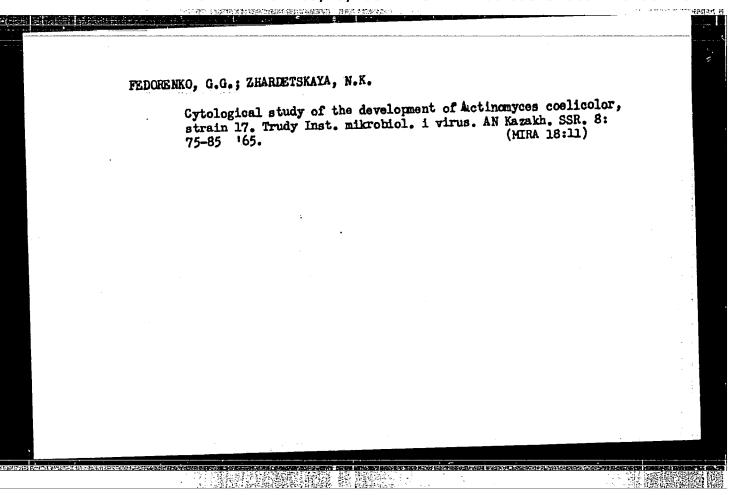


# BALITSKAYA, A.K.; FEDOREIKO, G.G.

TO CHARLEST START MINISTRATED AND CHARLES

Therapsutic properties of celicomyoin as related to its action on the causative agent of an infection in vitro. Trudy Inst. mikrobiol. i virus. AN Kasakh. SSR. 8:117-320 (MIRA 18:11)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"



PARTINIAN STATEMENT AND PARTIES

SLIN'KO, N.F.; FEDORENKO, G.I.

Increasing the durability of tapping hole and trough refractories.

Metallurg 6 no.5:7-9 My '61. (MTRA 14:5)

1. Zamestitel' nachal'nika domennogo tsekha Krivoroshskogo metallurgicheskogo savoda (for Slin'ko). 2. Master domennoy pechi Krivoroshskogo metallurgicheskogo zavoda (for Fedorenko). (Blast furnaces—Equipment and supplies) (Refractory materials)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

ZAGREBA, A.V.; SLINK'KO, N.F.; FEDORENKO, G.I.

Calculation and correction of the burden during the blast furnace process. Metallurg 6 no.10:1-7 0 '61. (MIRA 14:9)

1. Krivorozhskiy metallurgicheskiy zavod. 2. Nachal'nik domennogo tsekha Krivorozhskogo metallurgicheskogo zavoda (for Zagreba). 3. Zamestitel' nachal'nika domennogo tsekha Krivorozhskogo metallurgicheskogo zavoda (for Slin'ko).
4. Master Krivorozhskogo metallurgicheskogo zavoda (for Fedorenko).

(Blast furnaces-Equipment and supplies)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

ZAGREBA, A.V.; SLIN'KO, N.F.; FEDORFNKO, L.I.

Blowing-out and the operations of a blast furnace with a 2000 m<sup>3</sup> capacity. Metallurg 7 no.1:8-13 Ja '62. (MIRA 15:1) (Blast furnaces)

# FEDORENKO, G. I.; GOTLIB, A. D., rukovoditel' raboty

Investigating volumetric irregualrity in the distribut on of materials in the small bell receiving funnel in various capacity blast furnaces. Izv. vys, ucheb.zav.; chern met 7 no. 4:26-30 '64. (MIRA 17:5)

1. Dnepropetrovskiy metallurgicheskiy institut.

## FEDORENKO, G. I.

Distribution of materials by their granulometric composition in the hopper of the small bell. Izv. vys. ucheb. zav.; chern. met. 7 no.6;17-22 '64. (MIRA 17:7)

1. Dnepropetrovskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

FEDORENKO, G.I.; GOTLIB, A.D., doktor tekhn. nauk, prof., rukovoditel' raboty

Effect of the granulometric composition of the charge mixture of the shape of the charge surface in furnaces. Metallurg 10 no.8: 9-11 Ag '64. (MIRA 17:11)

1. Dnepropetrovskiy metallurgicheskiy institut (for Fedorenko).

FEDORENKO, G.I., inzh.; GOTLIB, A.D., prof., doktor tekhn.nauk,
rukovoditel'raboty

Fanning the small fraction in blast furnace hearths. Stal' 23
no. 3:211-212 Mr '64. (MIFA 17:5)

1. Dmepropetrovskiy metallurgicheskiy institut (for Fedorenko).

L 46023-66 EVT(d)/EVP(1)IJP(c) GD/BC SOURCE CODE: UR/0000/65/000/000/0083/0092 ACC NR: AT6017610 20 AUTHOR: Kozlov, M. S.; Fedorenko, G. I. B11 ORG: none TITLE: Dynamics of an adaptive flight control system which retains a given stability margin SOURCE: Vsesoyuznaya konferentsiya po teorii i praktike samonastraivayushchikhsya sistem. 1st, 1963. Samonastraivayushchiyesya sistemy (Adaptive control systems); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 83-92 TOPIC TAGS: automatic flight control, automatic control stability, automatic spacecraft control, programmed automatic control ABSTRACT: A detailed analysis of adaptive control systems operating on the principle of comparing the lowest and highest parts of the frequency spectrum of the control loop signals is presented. A block diagram and a root locus graph of an angular velocity control system, and an adaptive loop are presented. The adaptive loop includes low and high pass filters with detectors. When the stability limit is approached, the energy of the highest part of the frequency spectrum of the error signal increases and the detected signal from the high pass filter dominates. This causes the generation of a control signal which decreases the forward loop gain of the control system. An Card 1/2

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FEDORENKO, G.Ya. [Fedorenko, H.IA.]; KAPUSTYAK, S.M.; GNIDETS', I.R. [Hnidets', I.R.]; BODGANOVA, N.L. [Bohdanova, N.L.]

Use of bactericidal lamps in the pharmacy practice. Farmatsev. zhur. 16 no.4:11-14 '61. (MIRA 17:6)

1. Kafedra tekhnologii lekarstv (zaveduyushchiy kafedroy dotsant Yu.O. Karpenko), kafedra mikrobiologii (zaveduyushchiy kafedroy dotsent M.M. Muzyka) L'vovskogo meditainskogo instituta i Apteka No.1 g. L'vova (upravlyayushchaya N.L. Bogdanova [Bohdanova, N.L.]).

FEDORENKO, I., agronom; MATVEYEV, S.; NUZHNAYA, A.; BISENGALIEYV, K.

For those in the field. Sov.profsoiuzy 17 no.11:40 Je '61.

(MIRA 14:5)

1. Chlen rabochkoma Kalalskogo sovkhoza (for Matveyev). 2. Instruktor Alwa-Atinskogo oblsovprofa (for Nuzhanaya). 3. Neshtatnyy korrespondent zhurnala "Sovetskiye profsoyuzy" (for Bisengaliyev).

(Kazakhstan—State farms)

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

KRYZHKO, I.; FEDORENKO, I.

Technical progress dictates. Prof.-tekh.obr. 22 nc.5:6-7 My '65.
(MIRA 18:5)

1. Donatskiy nauchno-issledovatel'skiy ugol'nyy institut.

FEDORENKO, I.A. [Fedorenko, I.O.]; SABINEVSKIY, B.V. [Sabinevs'kyi, B.V.]

Bird lice of gulls nesting on islands of the Tendra Bay of the Black Sea. Zbir. prats. Zool. mus. AN URSR no. 32:64-72 (63. (MIRA 16:11)

MAZURMOVICH, B.N., otv. red.; BOSHKO, G.V., red.; GUSHCHA, G.I., red.; SMORGORZHEVSKAYA, L.A., red.; FEDORENKO, I.A., red.; ANDRIYCHUK, M.D., red.; KAS'YAN, S.N., red.

[Parasites and parasitoses in man and animals] Parazity i parazitozy cheloveka i zhivotnykh. Kiev, Naukova dumka, 1965. 411 p. (MIRA 18:9)

1. Akademiya nauk URSR, Kiev. 1. Kiyevskiy gosudaratvermyy universitet (for Mazurmovich). 3. Institut zoologii AN Ukr.SSR (for Boshko).

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

FEDORENKO, I.A.; SREBRODOL'SKAYA, N.I.

Bird lice of swamp and water birds in the Western Polesye.
Trudy Ukr. resp. nauch. ob-va paraz. no. 3:227-232 \*64

(MIRA 19:1)

1. Institut zoologii AN UkrSSR (for Fedorenko). 2. L'vovskiy gosudarstvennyy universitet imeni Franko (for Srebrodol'skaya).

APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

FEDORENKO, I. D. Sposoby oroshoniya v tsentral'no-chornozomnykh oblastyakh. Gidrotekhnika i melioratsiya, 1949, No. 1, S. 26-39.

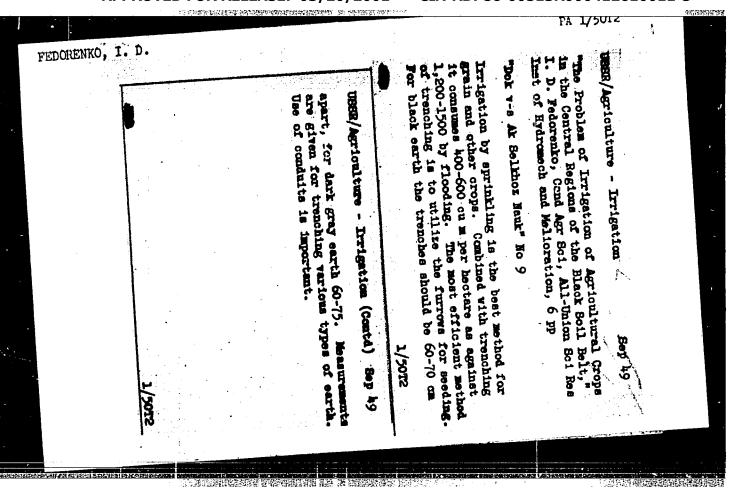
S0: Letopis, No. 32, 1949.

FEDGRENKO, I. D.

33266. Vnutrikolkhoznyy Plan Vodopol zovaniya V Ucloviyakh Travopol noy Sistemy Zemledeliya. Gidrotekhnika I Melioratsiya, 1949, No. 4, C. 12-24.

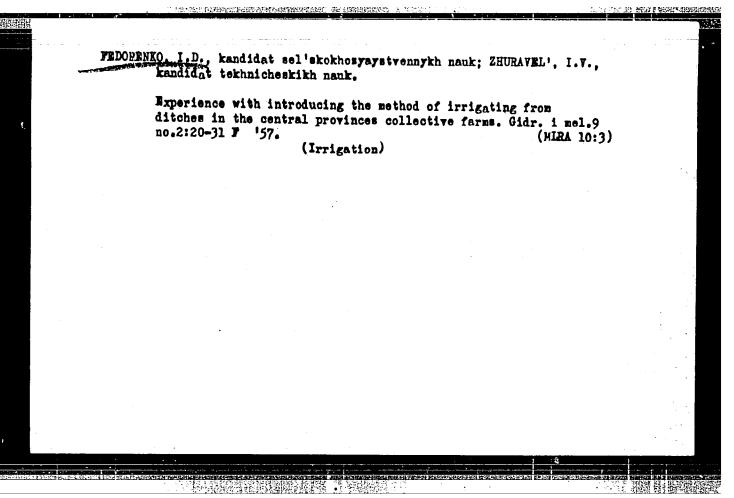
SO: Letopis' Zhurnal'nykh Statey, Vol.25, moskva, 1949

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Irrigation of agricultural crops in the central chernozem belt. Moskva, Gos. izdvo sel'khoz. lit-ry, 1954. 308 p. maps (55-35643)
SB112.F4

FEDORENKO, IVAN DMITRIYEVICH 1200 6 A 1 1000 7N/5 632.898 .F2 1957 OROSHENIYE SEL'SKOKHOZYAYSTVENNYKH KUL'TUR V TSENTRAL'NO-CHERNOZEMNOY POLOSE TRRIGATING AGRICULTURAL CROPS IN THE CENTRAL BLACK EARTH BELT, BY / I.D. FEDORENKO I V.M. SHELENKOV. 2. IZD. MOSKVA, SEI MOSKVA, SEL'-KHOZGIZ, 1957. 202 P. ILLUS., DIAGRS., GRAPHS, MAPS, TABLES. 



FEDORENKO, I. I., Cand. Tech. Sci. (diss) "Investigation of Settings of Bearings in Connecting Rods of Engine D-54," Moscow-Plyushchevo, 1961, 19 pp. (Combined Sci. Concil All-Union Sci. Res. Inst. Mechaniz. of Agri, "VIM" and VNII Electrification of Agri. "VIESKh") 150 copies (KL Supp 12-61, 275).

FEDORENKO, I. N. Cand Agr Sci -- (diss) "Methods of Increasing Com Yollo work the Market of Maison the Conditions of the Novo-Kubanskiy Rayon of the Krasnodarskiy Kray." Mos, 1957. 18 pp 19cm. (Mos Order of Lenin Agricultural Academy im K. A. Timiryazev), 110 copies (KL, 17-57, 98)

- 52 -

# "APPROVED FOR RELEASE: 03/20/2001 CIA-RD

### CIA-RDP86-00513R000412610011-5

FEDORENKO I.N

USSR/Cultivated Plants - Grains.

: Ref Ziur - Biol., No 10, 1958, 44026

Author : Fedorenko, I.II

Inst : Hoscow Agricultural Academy iment Timiryazev

Title : licthods of Combining Winter Wheat and Corn Crops in One

Crop Rotation in Kuban.

Orig Pub : Dokl. Mosk. s.-kh. akad. in. K.A. Timiryazeva, 1957,

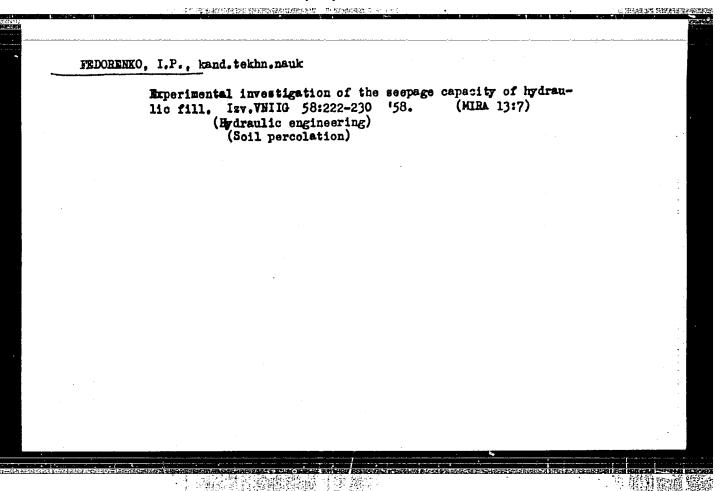
vyp. 28, 187-195.

Abstract : The work was carried out on a production scale in Kuban

during 1954-1956. The physics of the study was to deternine the feasibility of sowing corn in the widehed space between rows for the purpose of supplimentary cultivation by tractor during the flowering-ripening phase. The purpose was to improve its role as the predecessor to the

winter wheat. The spaces of 140 cm between rows with

Card 1/2



### DOBROLYUBSKIY, O.K.: PHOORNEKO, I.V.

Mffect of the trace element zonc on its concentration in grapes.

Hauch.dokl.vys.shkoly; biol.nauki no.2:158-161 60. (MIRA 13:4)

1. Rekomendovana kafedroy neorganicheskoy i analiticheskoy khimii Odesskogo sel'skokhosyaystvennogo instituta. (GRAPES--FERTILIZERS AND MANURES) (PLANTS, EFFECT OF ZINC ON)

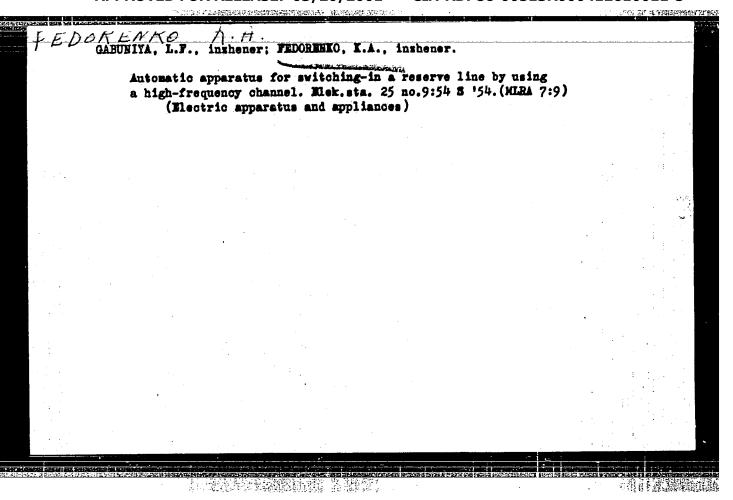
APPROVED FOR RELEASE: 03/20/2001 CIA-RDP86-00513R000412610011-5"

一:計劃關鍵國際

GABUNIYA, L.F., inshener; FEDORENKO, K.A., inshener.

Automatizing a small hydroelectric power plant. Elek.sta. 25 no.2150-51 F '54. (MIRA 7:2)

(Hydroelectric power stations)



FEDORENKO, K.A., inzh.

Experience in processing watermelon seeds. Masl.-zhir.prom. 27
no.3:44-45 Mr '61. (MIRA 14:3)

1. Vitebskiy masloekstraktsionnyy zavod.
(Vitebsk—Melons)

# FEDORENKO, K.A., inzh. From practices of the processing of peanuts. Masl.-zhir.prom. 28 no.4:39-40 Ap '62. (MIRA 15:5) 1. Vitebskiy masloekstraktsionnyy zavod. (Peanut oil)

KALENOV, G.S.; FELOTENZO, K.Ya.

Use of the geobotanical method for geological mapping of the central Karakum. Izv. AN Turk. SSR. Ser. biol. nauk no.5: 3-12 '63. (MIRA 17:10)

1. Institut botaniki AN Turkmenskoy SSR i TSentral'naya komplekanaya tematicheskaya ekspeditsiya Upravleniya goologii i okhrany nedr pri Sovete Ministrov Turkmenskoy SER

107-57-1-52/60

: 1 持續關係

AUTHOR: Fedorenko, L. (Tula)

TITLE: Electrochemical Staining of Metals. Experience Exchange (Elektrokhimicheskoye okrashivaniye metallov. Obmen opytom)

PERIODICAL: Radio, 1957, Nr 1, p 57 (USSR)

ABSTRACT: A new electrolytic method for staining objects made from iron, steel, brass, or copper is described. The electrolyte composition is: blue vitriol, 60 g; sugar, 90 g; sodium hydroxide, 45 g; water, 1 liter. Working procedures, and time elements necessary for obtaining different colors are described in the article.

AVAILABLE: Library of Congress

Card 1/1

AUTHOR:

Fedorenko, L.

SOV-107-58-8-45/53

TITLE:

The Decorative Coloring of Aluminum and its Alloys (Dekorativnoye okrashivaniye alyuminiya i yego splavoy)

PERIODICAL:

Radio, 1958, Nr 8, p 49 (USSR)

ABSTRACT:

The author describes a method of coloring aluminum parts by electrolysis with aniline dyes, the parts being subjected to anode oxidation with subsequent adsorption of the dye. The part to be colored is first cleaned of grease and then oxidized in a sodium bisulfate bath. The aluminum part serves as the ancde and is placed between two sheets of lead, acting as cathodes. Current is supplied at 1 to 1.5 a from a storage battery and electrolysis lasts from 40-50 minutes. The oxidized part is then transferred to the cye bath, heated to 50-60°C where it remains for 15-20 min.; according to the depth of color required. The dyes needed to achieve various colors are listed and the process for gold coloring described. Some inorganic dyes which can be used in place of aniline are also listed. The part has a matte finish after dyeing. It is washed in hot water, dipped in a melted wax or paraffin bath for 2-3 minutes and wiped with gauze while still hot.

Card 1/1

1. Aluminum--Color 2. Anilines--Applications 3. Dyes--Adsorption

4. Electrolysis--Applications

# PEDCRENKO, L.I. Dipatheria incidence in the Tatar A.S.S.R. Mas.med.shur. 40 no.4: 90-94 JI-Ag '59. (MIRA 13:2) 1. Iz Esspublikanskoy san-epidstantsii (glavvrach - I.Z. Mukhutdinov) i kafedry epidemiologii (saveduyushchiy - prof. A.E. Ozol) Masanskogo meditsinskogo instituta. (TATAR A.S.S.R.--DIPHTHERIA)

37901

s/137/62/000/005/131/150 A160/A101

1.2300

Mikhaylov, M. M., Fedorenko, L. I., Myshak, N. V., Galkin, V. A.

AUTHORS:

The welding of the stainless 1 X 18H 9T (1Kh18N9T) steel with a

tungsten electrode in a nitrogen atmosphere TITLE:

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 5, 1962, 16, abstract 5E72 ("Tr. Sredneaz. politekhm. in-ta", 1961, no. 15, 102 - 106)

A process of welding stainless steels in N2 atmosphere was worked out, securing not only high mechanical properties of joints, but also eliminating intercrystalline corrosion. All test pieces were butt-welded with the help of a HNAM AP+3 B (NIAM AR+3B) torch. The experiments yielded the following re-TEXT: sults: 1) the main difficulties during the arc-welding in N2 with a W-electrode, such as the bubbling of the bath, seam porosity and the high consumption of electrodes, are not caused by the disintegration of unstable W-nitrides, but by the presence of  $O_2$  in the arc burning zone. 2) The arc-welding in  $N_2$  with a W-electrode taken trode takes a normal course and secures a high-quality seam in case N2 does not contain more than 0.2% 02. 3) A waste of C is noted during the arc-welding in

Card 1/2

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